

IN THE CLAIMS:

Kindly amend the claims as follows:

Sub E1
1. (Amended) A system for processing program information comprising program information storage means for storing program information, and program table display means comprising a display having at least two dimensions defined by a designation of at least two-axes attributes wherein the attributes are selected from among all program information attributes, and at least two such attributes are used for two axes of a program table.

2. (Amended) A system for processing program information as claimed in claim 1, further comprising attribute input means adapted to input attributes of two axes used for two-dimensionally displaying the program table, and program table making means for retrieving program information from program information stored in the program information storage means on the basis of said input attributes to make the program table, said program information display means displaying the program table created by the program table making means.

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3. (Amended) A system for processing program information as claimed in Claim 2, wherein the program table making is adapted to program information stored in the program information storage means and classify said program information.

4. (Amended) A system for processing program information as claimed in Claim 2, further comprising means for selecting or adding another attribute to the two-axes attributes of the program table to change over the display.

5. (Amended) A system for processing program information as claimed in Claim 2, wherein means are provided to display the program table while culling a portion the data that do not need to be displayed.

6. (Amended) A system for processing program information as claimed in Claim 5, further comprising means to restore the original program table when displaying the program table.

7. (Amended) A system for processing program information as claimed in Claim 2, further comprising means to select an attribute relative to the program to change over the display.

8. (Amended) A system for processing program information as claimed in Claim 2, further comprising means for adding and/or deleting a new attribute from the program table in accordance with a selection of the attribute by a user or an input from another system.

9. (Amended) A system for processing program information as claimed in Claim 1, further comprising means to designate information registered by a user as an attribute of the program table.

10. (Amended) A system for processing program information as claimed in Claim 2, wherein, when there are plural programs in a same time zone, using said plural programs to check the programs of the same time zone without expanding the display area by displaying them overlaid one upon another while shifting the programs rearward one at a time, and displaying the programs.

11. (Amended) A system for processing program information as claimed in Claim 2, further comprising means to select three-axes attributes of the program table by a user to display information as a three-dimensional shape.

12. (Amended) A system for processing program information as claimed in Claim 2, further comprising means to extract attribute information from program information.

13. (Amended) A system for processing program information as claimed in Claim 2, comprising means to display and/or play back pictures or sounds of a program.

14. (Amended) A system for processing program information as claimed in Claim 2, wherein, when a channel or a program is selected as an attribute of the program table, it is possible to change the channel to the picture of the program and information relative to the program is displayed if the program is being received, and only information relative to the program is displayed if the program is not being received.

15. (Amended) A system for processing program information as claimed in Claim 2, further comprising, if a channel is selected as an attribute of the program table, means for displaying advertisements and program related information in accordance with the time schedule of programs being broadcast over the channel.

16. (Amended) A system for processing program information as claimed in Claim 2, further comprising means for transmitting and/or receiving program information, program relation information, program information renewal information, information registered by a user, a program, a picture, or a sound.

17. (Amended) A system for processing program information as claimed in Claim 2, further comprising means for transmitting and/or receiving an image sequence made by a user and means for displaying said image sequence in a portion of the program table.

18. (Amended) A system for processing program information as claimed in Claim 2, further comprising means for transmitting program information selected by a user, means for calculating the number of people viewing the same program, and displaying the result in a portion of the program table as an audience rating or as a number of people in the audience.

19. (Amended) A system for processing program information, comprising program information including an index for retrieving a program, and means for transmitting and/or receiving said program information.

20. (Amended) A system for processing program information as claimed in Claim 19, further comprising maintaining a user attribute, that is adapted to retrieve program

information, including an index for retrieving a program on the basis of the user attribute, at the receiver side.

21. (Amended) A system for processing program information as claimed in Claim 19, wherein, when retrieving program information, including an index for retrieving a program, was unsuccessful at the receiver side, the system further comprising means for retrieving said program information means for automatically classifying said program information at the transmitter side and means for transmitting the result to the receiver side.

22. (Amended) A system for processing program information as claimed in Claim 20, wherein, when a retrieval based on a user attribute was unsuccessful with program information including an index for retrieving a program, at the receiver side, the system further comprising retrieving and automatically classifying said program information according to the user attribute at the transmitter side and means to transmit the result to the receiver side.

23. (Amended) A system for processing program information as claimed in Claim 2, further comprising means for recording, reserving for recording and playing back a designated program in accordance with a designation by a user or an input from another system.

24. (Amended) A system for processing program information as claimed in Claim 2, further comprising means for displaying programs that have been recorded or reserved for recording along the time line of the program table.

25. (Amended) A system for processing program information as claimed in Claim 2, further comprising a recorder for recording information of the program viewed by a user, and means for examining a relationship with recorded program information in all programs and means for displaying the program when it is judged that the relationship is high.

26. (Amended) A system for processing program information as claimed in Claim 2, further comprising means for determining whether a performer of the program appears on a certain day or not.

27. (Amended) A system for processing program information as claimed in Claim 2, further comprising a fitting degree calculation means for calculating a fitting degree between program information and each piece of program classification information, and program classification means comprising means to calculate a fitting degree, to one given piece of program classification information and a program information set to obtain a subset of the program information set having a fitting degree not less than a given threshold value, means for taking a portion of the program classification predetermined or designated by a user as one or more attributes of the program table and means to display it by the program table display means.

28 (Amended) A system for processing program information as claimed in Claim 2, further comprising a fitting degree calculation means for calculating a fitting degree between program information and each piece of program classification information, and program classification means, comprising means to calculate, as to one given piece of program classification information and a program information set, a fitting degree of each piece of program information in the program information set to program classification information, to obtain a subset of the program information set having a fitting degree not less than a given threshold value, and means for the program table display means to display only a program classified as a program classification that has been predetermined or designated by a user so that it can be distinguished from another program in the program table without depending on the form of the program table.

29. (Amended) A system for processing program information as claimed in Claim 2, further comprising program information designation means for designating a subset of a program information set stored in the program information storage means, key word extraction means for extracting a characteristic word set characterizing the subset from the subset of program information designated by the program information designation means, and program information extraction means for extracting characteristic word information from the designated subset by using the key word extraction means and extracting program classification information for discriminating and classifying program information similar to program information in the subset.